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(71) Applicant (*for all designated States except US*): INNATE
PHARMA [FR/FR]; Immeuble Grand Pré, 121, ancien
Chemin de Cassis, F-13009 Marseille (FR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): ROMAGNE,
François [FR/FR]; Bat. A3, Les Hauts de Fontaine,
F-13600 La Ciotat (FR). SICARD, Hélène [FR/FR]; 19
Beauvallon Centre, F-13009 Marseille (FR). TIOLLIER,
Jérôme [FR/FR]; 17 rue Bienvenu, F-13008 Marseille
(FR).

(74) Agents: BECKER, Philippe et al.; Cabinet Becker et As-
sociés, 35, rue des Mathurins, F-75008 Paris (FR).

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(54) Title: COMPOSITIONS AND METHODS FOR REGULATING AN IMMUNE RESPONSE IN A SUBJECT

(57) Abstract: The present invention relates to compositions and methods for regulating an immune response in a subject, particularly to treat a subject with a tumor, notably a solid tumor, or an infectious disease.. Disclosed are methods of regulating the innate immunity in a subject, such as by regulating the activity of $\gamma\delta$ T cells in a subject. Disclosed are combinations of particular agents, such as a cytokine and a $\gamma\delta$ T cell activator, particular administration regimens and dosages can produce a remarkable expansion of $\gamma\delta$ T cells in vivo and a remarkable increase in a subject's immune defense. The invention can be used for therapeutic purposes, to produce, regulate or facilitate an immune response in a subject.

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